

Sika® Viscocrete® Tempo 10 Plus

Multi-purpose Superplasticizer / High Range Water-Reducing Admixture

Product Description Sika® Viscocrete® Tempo 10 Plus is a new generation, non-chlorinated, acrylic copolymer superplasticizer / high-range water-reducing admixture.

Uses Sika® Viscocrete® Tempo 10 Plus is used for concrete in precast plants, on site and for ready mix concrete. Sika® Viscocrete® Tempo 10 plus is used for concrete that need to be transported over long distance or with extended application time. Sika® Viscocrete® Tempo 10 Plus is added for production of :

- Plastic to fluid concrete.
- Low W/C ratio concrete with or without silica fume.
- Concrete with high water reduction (up to 30%).
- Concrete with air entraining.

Characteristics / Advantages Sika® Viscocrete® Tempo 10 Plus combines several actions. Adsorption to the surface and separation of fines particles during the hydration process give the following properties :

- Very high water reduction (consequently high waterproofing and resistances).
- High fluidity (consequently easier application).
- High short term resistance.
- High waterproofing improvement.
- Better creeps and shrinkage behaviour.
- Lower carbonation speed.

Sika® Viscocrete® Tempo 10 Plus does not contain any chloride or other component which could cause or increase steel corrosion. It can be used without restriction for reinforced or prestressed concrete constructions.

Product Data

Appearance / Colour Light brown liquid.

Packaging Bulk, 1000 litre Container, 200 litre Drum, 25 litre Keg.

Storage conditions / Shelf-life 12 months minimum from production date if stored properly in original unopened, sealed and undamaged packaging. Store in a dry area between 5°C and 35 °C. Protect from direct sunlight.



Technical Data

Density 1.07 ± 0.1kg/litre

pH 4 ± 1

Dry content 33 ± 1.5%

Chloride content < 0.1%

Na₂O_{eq} content ≤ 1 %

Application Details

Dosage Recommended dosage:
 ■ 0.2 to 3% of the cement weight depending on performances required.
 Usual dosage: 0.4 to 1.5% of the binder weight.

Application Method Sika® Viscocrete® Tempo 10 Plus is added either at the same time as the mixing water or at a later stage to concrete that has been pre-moistened with a part of the mixing water.

Health and Safety Information For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

Legal Notes The information, and, in particular, the recommendations relating to the application and end-use of Sika® products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, must be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or accessed on the Internet under nga.sika.com.



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